

## High Ercall Primary School

### Year 2 National Curriculum Programme of Study

#### Number and Place Value

I can recognise the place value of each digit in a two digit number.

I can count in steps of 2, 3 and 5 from 0, and in 10s from any number, forward and backward

I can identify represent and estimate numbers using different representations, including the number line

I can compare and order numbers from 0 up to 100; use  $<$ ,  $>$  and  $=$  signs

I can read and write numbers to at least 100 in numerals and words.

I can use place value and number facts to solve problems.

#### Addition and Subtraction

I can solve problems with addition and subtraction using concrete objects and pictorial representations, including those involving numbers, quantities and measures

I can solve problems with addition and subtraction applying their increasing knowledge of mental and written methods

I can recall and use addition and subtraction facts to 20 fluently, and derive and use related facts up to 100

I can add and subtract numbers using concrete objects, pictorial representations, and mentally, including: a two-digit number and 1s; a two-digit number and 10s; 2 two-digit numbers; adding 3 one-digit numbers

I can show that addition of 2 numbers can be done in any order (commutative) and subtraction of 1 number from another cannot

I recognise and use the inverse relationship between addition and subtraction and use this to check calculations and solve missing number problems

#### Multiplication and Division.

I can recall and use multiplication and division facts for 2, 5 and 10 times tables.

I can recognise odd and even numbers

I can calculate mathematical statements for multiplication and division within the multiplication tables and write them using the multiplication ( $\times$ ), division ( $\div$ ) and equals ( $=$ ) signs

I can show that multiplication of 2 numbers can be done in any order (commutative) and division of 1 number by another cannot

I can solve problems involving multiplication and division, using materials, arrays, repeated addition, mental methods, and multiplication and division facts, including problems in contexts

#### Measurements

I can choose and use appropriate standard units to estimate and measure length/height in any direction (m/cm); mass (kg/g); temperature ( $^{\circ}$ C); capacity (litres/ml) to the nearest appropriate unit, using rulers, scales, thermometers and measuring vessels

I can compare and order lengths, mass, volume/capacity and record the results using  $>$ ,  $<$  and  $=$

I can recognise and use symbols for pound ( $\pounds$ ) and pence (p); combine amounts to make a particular value

I can find different combinations of coins that equal the same amounts of money

I can solve problems solve simple problems in a practical context involving addition and subtraction of money of the same unit, including giving change

I can tell and write the time to half and quarter hours.

I can tell and write the time to the nearest five minutes, including quarter past/to the hour and draw the hands on a clock face to show these times

I can compare and sequence intervals of time.

I know the number of minutes in an hour and the number of hours in a day

#### Fractions

I can recognise, find, name and write fractions  $\frac{1}{3}$ ,  $\frac{1}{4}$ ,  $\frac{2}{4}$ , and  $\frac{3}{4}$  of a: length, shape, set of objects and quantity.

I can write simple fractions, for example  $\frac{1}{2}$  of 6 = 3 and recognise the equivalence of  $\frac{2}{4}$  and  $\frac{1}{2}$ .

#### Geometry - Position

I can order and arrange combinations of mathematical objects in patterns and sequences

I can use mathematical vocabulary to describe position, direction, rotation and movement, including movement in a straight line and distinguishing between rotation as a turn and in terms of right angles for quarter, half and three-quarter turns (clockwise and anti-clockwise)

#### Geometry – Properties of Shape

I can identify and describe the properties of 2-D shapes, including the number of sides and lines of symmetry.

I can identify and describe the properties of 3-D shapes, including the number of edges, vertices and faces.

I can identify 2-D shapes on the surface of a 3-D shape.

I can compare and sort common 2-D and 3-D shapes and everyday objects

#### Statistics

I can interpret and construct simple tally charts, pictograms, block diagrams and tables.

I can ask and answer simple questions by counting the number of objects in each category and sorting the categories by quantity

I can ask-and-answer questions about totalling and comparing categorical data

